

§ 160.060-1

Guard approval number shall be included. The contract number may be omitted.

(b) [Reserved]

Subpart 160.060—Specification for a Buoyant Vest, Unicellular Polyethylene Foam, Adult and Child

§ 160.060-1 Incorporation by reference.

(a) *Specifications and Standards.* This subpart makes reference to the following documents:

(1) [Reserved]

(2) Military Specification:

MIL-W-530F—Webbing, Textile, Cotton, General Purpose, Natural or in Colors.

(3) Federal Standards:

No. 191—Textile Test Methods.

No. 751A—Stitches, Seams, and Stitchings.

(4) Coast Guard Specification:

164.013—Foam, Unicellular Polyethylene (Buoyant, Slab, Slitted Trigonal Pattern)

(b) *Plans.* The following plans, of the issue in effect on the date buoyant vests are manufacture, form a part of this subpart:

Dwg. No. 160.060-1:

Sheet 1—Cutting Pattern and General Arrangement, Model AY.

Sheet 2—Cutting Pattern and General Arrangement, Model CYM.

Sheet 3—Cutting Pattern and General Arrangement, Model CYS.

Sheet 4—Insert Pattern, Model AY.

Sheet 5—Insert Pattern, Model CYM.

Sheet 6—Insert Pattern, Model CYS.

(c) *Copies on file.* Copies of the specifications and plans referred to in this section shall be kept on file by the manufacturer together with the Certificate of Approval.

(1) The Coast Guard plans and specifications may be obtained upon request from the Commandant (G-MSE), U.S. Coast Guard, Washington, DC 20593-0001 or a recognized laboratory listed in § 160.060-8b.

(2) The Federal Specifications and Standard may be purchased from the Business Service Center, General Services Administration, Washington, DC, 20407.

(3) The Military Specification may be obtained from the Commanding Offi-

46 CFR Ch. I (10-1-03 Edition)

cer, Naval Supply Depot, 5801 Tabor Avenue, Philadelphia, Pa., 19120.

[CGFR 65-37, 30 FR 11590, Sept. 10, 1965, as amended by CGD 72-90R, 37 FR 10839, May 31, 1972; CGD 78-012, 43 FR 27153, 27154, June 22, 1978; CGD 82-063b, 48 FR 4782, Feb. 3, 1983; CGD 88-070, 53 FR 34536, Sept. 7, 1988; CGD 95-072, 60 FR 50467, Sept. 29, 1995; CGD 96-041, 61 FR 50733, Sept. 27, 1996]

§ 160.060-2 Type and model.

Each buoyant vest specified in this subpart is a:

(a) Standard:

(1) Model AY, adult (for persons weighing over 90 pounds); or

(2) Model CYM, child, medium (for children weighing from 50 to 90 pounds); or

(3) Model CYS, child, small (for children weighing less than 50 pounds); or

(b) Nonstandard:

(1) Model,¹ adult (for persons weighing over 90 pounds);

(2) Model,¹ child, medium (for persons weighing from 50 to 90 pounds) or

(3) Model,¹ child, small (for persons weighing less than 50 pounds).

[CGD 72-163R, 38 FR 8122, Mar. 28, 1973]

§ 160.060-3 Materials—standard vests.

(a) *General.* All components used in the construction of buoyant vests must meet the applicable requirements of subpart 164.019 of this chapter. The requirements for materials specified in this section are minimum requirements, and consideration will be given to the use of alternate materials in lieu of those specified. Detailed technical data and samples of all proposed alternate materials must be submitted for approval before those materials are incorporated in the finished product.

(b) *Unicellular polyethylene foam.* The unicellular polyethylene foam shall be all new material complying with specification subpart 164.013 of this subchapter.

(c) *Envelope.* The buoyant vest envelope, or cover, shall be made from 39", 2.85 cotton jeans cloth, with a thread count of approximately 96 × 64. The finished goods shall weigh not less than

¹A model designation for a nonstandard vest is to be assigned by the individual manufacturer and must be different from any standard vest.

4.2 ounces per square yard, shall have thread count of not less than 94×60 , and shall have a breaking strength of not less than 85 pounds in the warp and 50 pounds in the filling. Other cotton fabrics having a weight and breaking strength not less than the above will be acceptable. There are no restrictions as to color, but the fastness of the color to laundering, water, crocking, and light shall be rated "good" when tested in accordance with Federal Test Method Standard No. 191, Methods 5610, 5630, 5650, and 5660.

(d) *Tie tapes and body strap loops.* The tie tapes and body strap loops for both adult and child sizes must be $\frac{3}{4}$ -inch cotton webbing meeting the requirements of military specification MIL-T-43566 (Class I) for Type I webbing.

(d-1) *Body straps.* The complete body strap assembly including hardware, must have a minimum breaking strength of 150 pounds for an adult size and 115 pounds for a child size. The specifications for the webbing are as follows:

(1) For an adult size vest, the webbing must be 1 inch.

(2) For a child size vest, the webbing must be three-quarter inch and meet military specification MIL-W-530 for Type IIa webbing.

(e) [Reserved]

(f) *Thread.* Each thread must meet the requirements of subpart 164.023 of this chapter. Only one kind of thread may be used in each seam.

[CGFR 65-37, 30 FR 11590, Sept. 10, 1965, as amended by CGD 72-90R, 37 FR 10839, May 31, 1972; CGD 72-163R, 38 FR 8122, Mar. 28, 1973; CGD 73-130R, 39 FR 20684, June 13, 1974; CGD 78-012, 43 FR 27154, June 22, 1978; CGD 82-063b, 48 FR 4782, Feb. 3, 1983; CGD 88-070, 53 FR 34536, Sept. 7, 1988; CGD 84-068, 58 FR 29494, May 20, 1993]

§ 160.060-3a Materials—Dee ring and snap hook assemblies and other instruments of closure for buoyant vests.

(a) *Specifications.* Dee ring and snap hook assemblies and other instruments of closure for buoyant vests may have decorative platings in any thickness and must meet the following specifications:

(1) The device must be constructed of inherently corrosion resistant materials. As used in this section the term

inherently corrosion resistant materials includes, but is not limited to, brass, bronze, and stainless steel.

(2) The size of the opening of the device must be consistent with the webbing which will pass through the opening.

(b) *Testing requirements.* Dee ring and snap hook assemblies and other instruments of closure for buoyant vests must—

(1) Be tested for weathering. The Coast Guard will determine which one or more of the following tests will be used:

(i) Application of a 20 percent sodium-chloride solution spray at a temperature of 95°F (35°C) for a period of 240 hours in accordance with the procedures contained in method 811 of the Federal Test Method Standard No. 151.

(ii) Exposure to a carbon-arc weatherometer for a period of 100 hours.

(iii) Submergence for a period of 100 hours in each of the following:

(a) Leaded gasoline.

(b) Gum turpentine.

(iv) Exposure to a temperature of $0^{\circ} \pm 5^{\circ}\text{F}$ ($17.6 \pm 2.775^{\circ}\text{C}$) for 24 hours; and

(2) Within 5 minutes of completion of the weathering test required by paragraph (b)(1) of this section, the assembly must be attached to a support and bear 150 pounds for an adult size and 115 pounds for a child size for 10 minutes at ambient temperatures without breaking or distorting.

[CGD 73-130R, 39 FR 20684, June 13, 1974]

§ 160.060-4 Materials—nonstandard vests.

(a) *General.* All materials used in nonstandard buoyant vests must be equivalent to those specified in § 160.060-3 and be obtained from a supplier who furnishes an affidavit in accordance with the requirements in § 160.060-3(a).

(b) *Reinforcing tape.* When used, the reinforcing tape around the neck shall be $\frac{3}{4}$ " cotton tape weighing not less than 0.18 ounce per linear yard having a minimum breaking strength of not less than 120 pounds.

[CGFR 65-37, 30 FR 11590, Sept. 10, 1965, as amended by CGD 72-163R, 38 FR 8122, Mar. 28, 1973]